

Converting Colors

`RYB(231, 242, 196)`

Have a look what the booklet for
RYB(231, 242, 196) contains.

RYB(231, 242, 196)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(231, 242, 196)

Conversions

Conversions Part 1

Format	Color
Hex	F2DEC4
RGB	242, 222, 196
RGB Percent	95%, 87%, 77%
CMY	0.0510, 0.1289, 0.2314
CMYK	0.00, 0.08, 0.19, 0.05
HSL	34°, 64%, 86%
HSV	34°, 19%, 95%
XYZ	72.7358, 75.1709, 62.9004
YIQ	225.0160, 20.2660, -3.8460

Conversions

Conversions Part 2

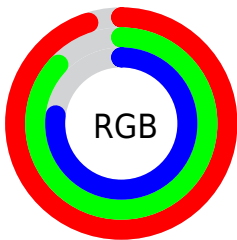
Format	Color
R _Y B	231, 242, 196
Decimal	15916740
CIE Lab	89.47, 2.72, 15.28
CIE LCh	89, 15.520, 79.922
Yxy	75.1709, 0.3450, 0.3566
Android (android.graphics.Color)	4294106820 (0xFFFF2DEC4)
YUV	225.0160, -14.3049, 14.8950
Hunter-Lab	86.7012, -1.9788, 17.6768

Details

The RYB color **231, 242, 196** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **196, 210, 242**, and the grayscale version is **225, 225, 225**.

A 20% lighter version of the original color is **253, 255, 253**, and **175, 186, 142** is the 20% darker color. If you saturate the color by 10%, you get **225, 242, 172**, and if you desaturate by 10%, it is **235, 242, 220**.

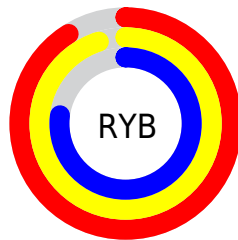
Distribution



Red (95%)

Green (87%)

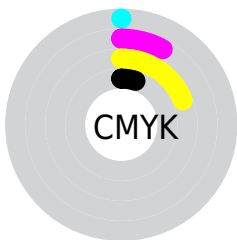
Blue (77%)



Red (91%)

Yellow (95%)

Blue (77%)

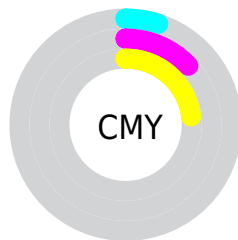


Cyan (0%)

Magenta (8%)

Yellow (19%)

Black (5%)



Cyan (5%)

Magenta (13%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the RYB color 231, 242, 196 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 231, 242, 196 by changing the saturation by 10% instead.

 231, 242, 196

 231, 242, 196

255, 255, 255

 202, 213, 169

253, 255, 253

 175, 186, 142

 146, 158, 117

 122, 132, 92

 93, 106, 68

 72, 82, 46

 46, 58, 25

 20, 37, 0

 1, 0, 0

231, 242, 196

231, 242, 196

225, 242, 172

235, 242, 220

221, 242, 148

242, 243, 244

212, 242, 123

242, 248, 255

208, 242, 99

242, 249, 255

202, 242, 75

198, 242, 51

191, 242, 27

186, 242, 2

185, 242, 0

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



253, 224, 203



231, 242, 196



197, 227, 198

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



231, 242, 196



187, 211, 234



239, 218, 244

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



231, 242, 196



196, 210, 242

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



222, 223, 253



231, 242, 196



190, 214, 247

Square

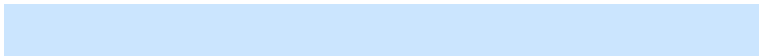
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



231, 242, 196



195, 218, 233



203, 220, 254



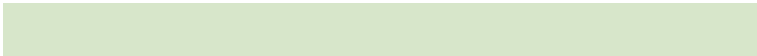
252, 215, 230

Rectangle

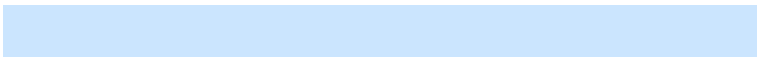
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



231, 242, 196



202, 230, 217



203, 220, 254



234, 220, 248

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



231, 242, 196



253, 255, 240



242, 196, 216



126, 128, 119



0, 0, 0



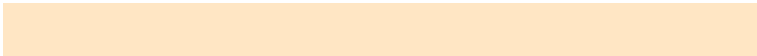
128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



231, 242, 196



239, 255, 196



196, 242, 199



117, 120, 108



142, 184, 0



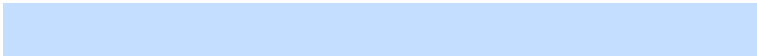
42, 56, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



196, 210, 242



196, 214, 255



199, 196, 242



108, 112, 120



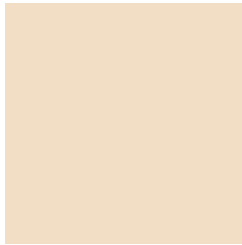
0, 55, 184



0, 17, 56

Previews

White Background



This preview shows how the RYB color 231, 242, 196 looks on a white background.

Color Contrast Check

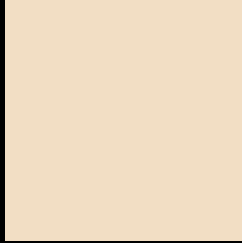
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 231, 242, 196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

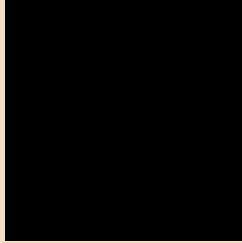
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 231, 242, 196 Background



This preview shows how black text looks on a background with the RYB color 231, 242, 196.

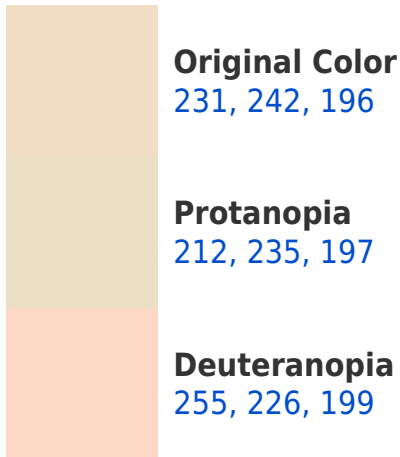


This preview shows how white text looks on a background with the RYB color 231, 242, 196.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

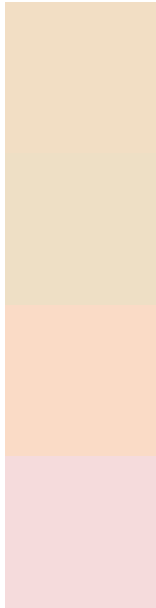
Dichromacy





Tritanopia
247, 217, 234

Trichromacy



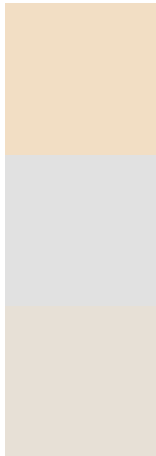
Original Color
231, 242, 196

Protanomaly
221, 238, 197

Deuteranomaly
250, 233, 198

Tritanomaly
245, 219, 220

Monochromacy



Original Color
231, 242, 196

Achromatopsia
225, 225, 225

Achromatomaly
226, 231, 214

CSS Examples

Text

The CSS property to change the color of the text to RYB 231, 242, 196 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(242, 222, 196) looks like.

```
.text, #text, p{  
    color:rgb(242, 222, 196)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(242, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 222, 196) }
```

Border

The CSS property to change the border of an element to RYB 231, 242, 196 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(242, 222, 196) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(242, 222, 196) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(242, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(242, 222,  
196) }
```

Background

The CSS property to change the background color of an element to RGB 242, 222, 196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 222, 196) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(242,  
222, 196) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor